



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090460-A

**Mode:** Highway

**Status:** Submitted

### US-401 (Raeford Road)

**From/Cross Street:** West of Hampton Oaks Drive

**Specific Improvement Type:** 11 - Access Management

**To:** US 401 Bypass (Skibo Road)

**Project Category:** Statewide Mobility

**Length:** 2.39

**TIP#:** U-4405A

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$5,901,000

#### Description:

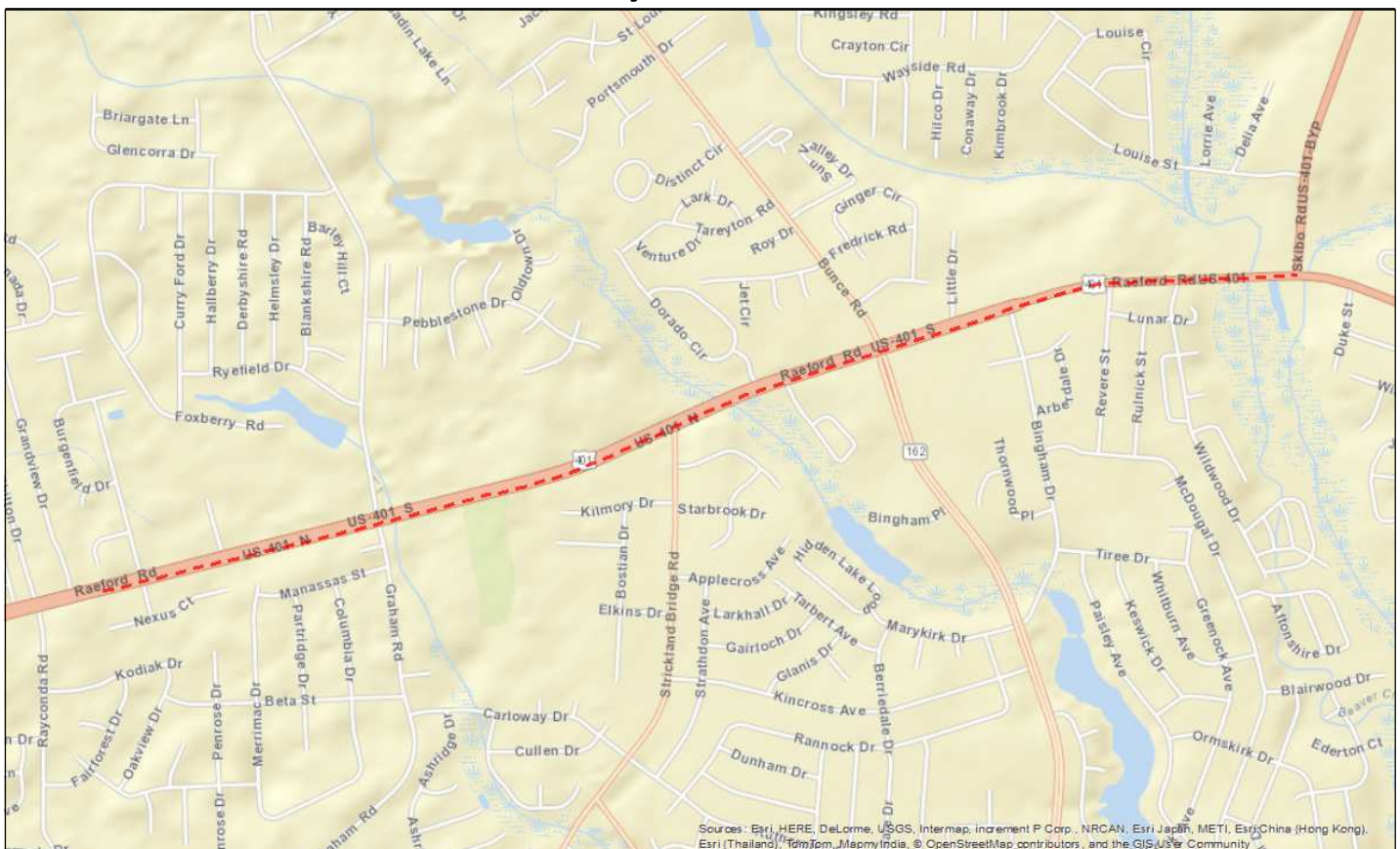
Construct Raised Median and Access Management Improvements.

**Division(s):** Division 6

**County(s):** CUMBERLAND

**MPOS(s)/RPO(s):** Fayetteville Area MPO

### Project Location



**Statewide Mobility Total Score: 35.16**

<b>Quantitative Score</b>		<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%)	68.25	N/A	N/A
Safety (10%)	86.05		
Economic Competitiveness (10%)	0.00		
Multimodal + [Freight & Military] (20%)	30.38		
[Travel Time] Benefit/Cost (30%)	0.00		
<b>Totals: Weight: 100% Weighted Score: 35.16</b>			

**Regional Impact Total Score: 58.04**

<b>Quantitative Score</b>		<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%)	68.25	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%)	86.05		
[Travel Time] Benefit/Cost (25%)	0.00		
Accessibility / Connectivity (10%)	23.72		
<b>Totals: Weight: 70% Weighted Score: 28.04</b>			

**Division Needs Total Score: 71.01**

<b>Quantitative Score</b>		<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%)	68.25	Percent: 25% Points: 95	Percent: 25% Points: 100
Safety (10%)	86.05		
[Travel Time] Benefit/Cost (20%)	0.00		
<b>Totals: Weight: 50% Weighted Score: 22.26</b>			

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	53
Length (miles):	2.39
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	32577.32
Capacity:	35397.66
Volume/Capacity Ratio:	0.92
% Autos:	95%
% Trucks:	5%
Truck Volume:	1473.95
Crash Density:	92.48
Crash Severity:	73.21
Critical Crash Rate:	92.48
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	96
Actual Congested Speed:	31.49
Travel Time Index:	1.67

**Project Benefits**

Project Cross-Section:	6F - 6 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.39
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-2697173.27
Travel Time Savings for 30 Years (Autos):	-2575140.7
Travel Time Savings for 30 Years (Trucks):	-122032.57
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 6	100%	100	95
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>95</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Fayetteville Area MPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$5,901,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$5,901,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$5,901,000</b>	